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SITE NAME	Sauget Area 1
DOC ID #	147833
DESCRIPTION OF ITEM(S)	Response Letter
DOCUMENT VARIATION	
PHASE	PRPENF
OPERABLE UNITS	
LOCATION	Box #_1_ Folder #_7_ Subsection_____
PHASE (AR DOCUMENTS ONLY)	<input type="checkbox"/> Remedial <input type="checkbox"/> Removal <input type="checkbox"/> Deletion Docket <input type="checkbox"/> Original <input type="checkbox"/> Update #____ Volume ____ of ____
<p style="text-align: center;">COMMENT(S)</p>	

Monsanto

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11/27/72

147833

MONSANTO INDUSTRIAL CHEMICALS CO.
Saugel, Illinois 62201
Phone: (818) 271-5835

November 27, 1972

Mr. William C. Child, Regional Supervisor
Surveillance Section - Division of Land Pollution Control
Illinois Environmental Protection Agency
115a West Main Street
Collinsville, Ill. 62234

Dear Mr. Child:

In response to the request you made in your recent visit to the W.G. Krummrich Plant, I have updated the list of material deposited by W.G.K. at its industrial waste desposal site.

The general catagories remain similar to the ones outlined in our August 16, 1968 letter. A detailed listing and quantities is as follows:

1. Still Residues - tars, condensation and decomposition products of doubtful composition, but with some of the primary product remaining.

FROM THE DISTILLATION OF:

APPROX. ANNUAL AMOUNT

a. Nitro-Aniline and similar compounds	94 cu. yds.
b. Cresol, esters of phenol	1140 cu. yds.
c. Chlorophenol, Chlorophenol ether	774 cu. yds.
d. Chlorobenzol (Tri-tetrachlor)	13 cu. yds.
e. Aniline dervatives	208 cu. yds.
f. Nitro benzene derivatives	1190 cu. yds.
g. Chlorinated hydrocarbons	425 cu. yds.
2. By-products	
a. Mixed isomers of nitrochlorobenzene	785 cu. yds.
b. Mixed isomers of Dichlorophenol	1240 cu. yds.
3. Contaminated Acids & Caustic	
a. Spent sulfuric acid with chlorophenol present	1395 cu. yds.
b. Spent caustic soda with chlorophenol present	1760 cu. yds.

Page 2
M.R. Foresman
November 27, 1972

4. Filter Sludges
 - a. Spent Carbon 12 cu. yds.
 - b. Lime mud from nitro-aniline production 1195 cu. yds.
 - c. Gypsum 5600 cu. yds.
5. Obsolete samples and Waste Resulting from taking samples
 - a. Chlorophenols 40 cu. yds.
 - b. Laboratory samples 150 cu. yds.
6. Miscellaneous Waste - Spoiled material, floor sweepings, sludge from cleaning equip. 915 cu. yds.

This list represents the types and approximate quantities of materials hauled from our plant during 1972. The quantities will change from year to year according to sales of particular products. Attached for your information is a map of the industrial disposal area showing the location of the five test wells.

Cordially yours,

Michael R. Foresman

M.R. Foresman
Senior Engineer -
Environmental Control

dm

Attachments

CC: P. Heisler

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Monsanto

MONSANTO INDUSTRIAL CHEMICALS CO.

Sauget, Illinois 62201

Phone: (818) 271-5835

April 10, 1972

Mayor Paul Sauget
Sauget Village Hall
Sauget, IL 62201

Dear Paul:

I talked with Gene Lewis, Technical Manager of Edwin Cooper Inc., about the residues being hauled to your Sanitary Landfill. In all probability, the yellow semi-solid waste mentioned in the Illinois Environmental Protection Agency letter of March 30, 1972 was the filter cake from Dept. 270, an oil additive process.

The composition of this filter cake residue is as follows:

50% filter aid - Diatomaceous Earth
50% No. 5 process oil
Traces amounts of Alkyl and Aryl sulfides
and Sulfonates

M. R. Foresman
M.R. Foresman (DM)

Enclosure

cc: Harold Baker, Jr.

WACHSBERG
CORPORATION

August 16, 1968

Mr. C. W. Klassen
Technical Secretary
State of Illinois Sanitary Water Board
Springfield, Illinois 62706

Dear Mr. Klassen:

In reply to your letter of August 7, 1968, I have the following information which you need to set up a monitoring program for our industrial waste disposal site.

In general we deposit at this site those wastes which would add to the sludge load at the waste treatment plant or would dissolve in our wastewater and add to the phenol content, C.O.D. or color of the final effluent. Chemically, they fall into 6 main groups:

1. Phenols
2. Aromatic Nitro Compounds
3. Aromatic Amines and Nitro Amines (highly colored)
4. Chlorinated aromatic hydrocarbons
5. Aromatic and aliphatic Carboxylic acids
6. Condensation or reaction products of the above

A more detailed list of sources and quantities follows:

1. Still Residues - tars, condensation and decomposition products of doubtful composition but with some of the primary product remaining.

From the Distillation of:

Approx. Annual Amount

a. Phenol	1,020 Cu. yds.
b. Chlorophenol	720 Cu. yds.
c. Nitro-Aniline and similar compounds	1,700 Cu. yds.
d. Chlorobenzol (Tri-Tetrachlor)	130 Cu. yds.
e. Chloro aniline	1,100 Cu. yds.
f. Other aniline derivatives	200 Cu. yds.
g. Nitro benzene derivatives	100 Cu. yds.
h. Aromatic carboxylic acids (Maleic, Phthalic, etc.)	1,500 Cu. yds.
i. Chlorophenol Ether	350 Cu. yds.

1414

Mr. C. W. Klassen

-2-

August 16, 1968

2. By-Products -

a. Mixed isomers of nitrochlorobenzene	1,700 Cu. yds.
" " " Dichlorophenol	3,000 Cu. yds.
b. Waste Maleic Anhydride	730 Cu. yds.
c. Waste Chlorobenzenes and Nitro-chlorobenzenes	120 Cu. yds.

3. Contaminated Water and Acids -

a. Water with varying amounts of phenols (0-15%)	7,200 Cu. yds.
b. Waste Sulfuric acid with chlorophenol present	1,500 Cu. yds.
c. Caustic Soda Solution with chlorophenol present	5,300 Cu. yds.

4. Waste Solvents -

a. Waste Methanol contaminated with Mercaptans	600 Cu. yds.
b. Waste Isopropanol - Water and chlorinated hydrocarbon	5,500 Cu. yds.
c. Research Waste: Miscellaneous Solvents and Materials	1,019 Cu. yds.
d. Oily Materials from Oil Additive Production	101 Cu. yds.

5. Filter Sludge -

a. Attapulguis Earth -Kaisulguhr from Alkyl Benzene filtration	600 Cu. yds.
b. Lime Mud from nitro-aniline production..	1,000 Cu. yds.

6. Unwanted Samples and Waste resulting from taking samples -

a. Chlorophenols	72 Cu. yds.
b. Laboratory Samples (Everything)	208 Cu. yds.

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